Roll No.										

IET, Dr. Shakuntala Misra National Rehabilitation University, Lucknow
Department of Mechanical Engineering
Sessional Test - 2

Sem & Year: II[nd] & 1[st] | Session: 2023-24
Subject: Manufacturing Science | Code: TES-204
Duration: 90 Minutes | Max. Marks: 20

Part - A

Attempt all questions (1×4=4 Marks)

1. In how many groups, cutting tool can be divided?
   a) 2 b) 3
   c) 4 d) none of the mentioned
2. Which type of job motion is there in drilling operations?
   a) rotary b) translating
   c) fixed d) none of the mentioned
3. Which of the following is not a part of carriage of the centre lathe?
   a) Tool Post b) Compound rest
   c) Apron d) Gear box Control
4. Aluminum alloys find use in aircraft industry because of-
   a) High strength b) low sp. Gravity
   c) good corrosion resistance d) Good weldability

Part - B

Attempt any two Questions (2×3=6 Marks)

1. Define Ductility, Creep & Malleability.
2. Explain Manufacturing Process and Manufacturing system.
3. What is pig iron, cast iron & wrought iron?

Part - C

Attempt any two Questions **(2×5=10 Marks)**

1. What do you understand by Engineering material? Classify each type of material used in manufacturing.
2. Describe casting and casting terms with neat sketch and application.
3. What is Pattern? Describe types of Patterns.